

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## WALKABOUT I140745538 - GENSET

**Sample No:** VPA058443  
**Oil Type:** SHELL ROTELLA T 15W40

### SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VPA058443</b>   | VPA028792   | VPA028775   | VPA027209   |
| Sample Date   | <b>04 Dec 2023</b> | 17 Nov 2021 | 24 Feb 2021 | 28 Oct 2019 |
| Machine Hours | <b>177</b>         | 0           | 0           | 0           |
| Oil Hours     | <b>14</b>          | 0           | 0           | 0           |
| Oil Changed   | <b>Changed</b>     | Not Changd  | N/A         | N/A         |
| Sample Status | <b>NORMAL</b>      | NORMAL      | NORMAL      | NORMAL      |

### The Talaria Company

202 Banks St., One Little Harbor Landing  
OXFORD, MD  
US 21654  
Contact: TRACY PELLERIN  
tpellerin@hinckleyyachts.com  
T: (410)770-4899  
F: x:

### OIL CONDITION

|                  |          |              |      |      |      |
|------------------|----------|--------------|------|------|------|
| Visc @ 100°C     | cSt      | <b>13.73</b> | 14.2 | 14.1 | 14.3 |
| Base Number (BN) | mg KOH/g | <b>8.1</b>   | ---  | ---  | ---  |
| Oxidation (PA)   | %        | <b>66</b>    | 74   | 75   | 71   |

### CONTAMINATION

|                |     |                |      |      |      |
|----------------|-----|----------------|------|------|------|
| Water          | %   | <b>NEG</b>     | NEG  | NEG  | NEG  |
| Soot %         | %   | <b>0.1</b>     | 0.1  | 0.1  | 0.1  |
| Nitration (PA) | %   | <b>41</b>      | 48   | 49   | 47   |
| Sulfation (PA) | %   | <b>54</b>      | 60   | 60   | 57   |
| Glycol         | %   | <b>NEG</b>     | NEG  | NEG  | NEG  |
| Fuel           | %   | <b>&lt;1.0</b> | <1.0 | <1.0 | <1.0 |
| Silicon        | ppm | <b>4</b>       | 2    | 4    | 5    |
| Sodium         | ppm | <b>&lt;1</b>   | 4    | 2    | 3    |
| Potassium      | ppm | <b>6</b>       | 8    | 13   | 6    |

### WEAR METALS

|            |     |              |    |    |    |
|------------|-----|--------------|----|----|----|
| Iron       | ppm | <b>0</b>     | 3  | 3  | 3  |
| Copper     | ppm | <b>&lt;1</b> | <1 | <1 | <1 |
| Lead       | ppm | <b>0</b>     | 0  | 0  | 2  |
| Tin        | ppm | <b>0</b>     | 0  | 0  | 0  |
| Aluminum   | ppm | <b>&lt;1</b> | <1 | 1  | 1  |
| Chromium   | ppm | <b>&lt;1</b> | <1 | <1 | <1 |
| Molybdenum | ppm | <b>13</b>    | <1 | <1 | <1 |
| Nickel     | ppm | <b>0</b>     | <1 | 0  | <1 |
| Titanium   | ppm | <b>0</b>     | <1 | <1 | <1 |
| Silver     | ppm | <b>0</b>     | <1 | 0  | 0  |
| Manganese  | ppm | <b>&lt;1</b> | <1 | 0  | <1 |
| Vanadium   | ppm | <b>0</b>     | 0  | 0  | 0  |

### ADDITIVES

|            |     |             |      |      |      |
|------------|-----|-------------|------|------|------|
| Calcium    | ppm | <b>2186</b> | 2161 | 2334 | 2251 |
| Magnesium  | ppm | <b>15</b>   | 11   | 12   | 17   |
| Zinc       | ppm | <b>1178</b> | 1064 | 1127 | 1094 |
| Phosphorus | ppm | <b>1006</b> | 975  | 1078 | 942  |
| Barium     | ppm | <b>0</b>    | 0    | 0    | 0    |
| Boron      | ppm | <b>169</b>  | 216  | 189  | 179  |

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

**Depot:** VP592286  
**Unique No:** 10779511  
**Signed:** Jonathan Hester  
**Report Date:** 15 Dec 2023

# OIL ANALYSIS REPORT

# VOLVO PENTA

## GRAPHS

